

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	352	(memory near50 (dielectric or insulat\$4) near50 ( sandwich or between) near50 electrode).clm. and ((phase near5 change) or (variable near5 (resistiv\$4 or resista \$5)) or (chalcogenide))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 10:56
L9	2	"6424009".did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 11:20
S1	2	"US 20090108247"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/06/15 13:27
S2	2	"20090108247".did. and (memory near10 layer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/15 13:35
S3	1	"20090108247".did. and (memory near10 layer) and (zn or cd)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/15 13:40
S6	1	"20090108247".did. and %"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/15 14:00
S7	1	"20090108247".did. and ((zn or cd) near15 "%")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/15 14:00

S8	275598	(phase near5 change) or (variable near5 (resistiv\$4 or resista \$5)) or (chalcogenide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/15 14:15
S11	2187	(zn adj50 cd) and (memory)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/15 14:16
S12	502	S8 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/15 14:17
S15	413	(ge or sb or bi) with (te) with (zn or cd) with "%"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/16 09:06
S16	275598	(phase near5 change) or (variable near5 (resistiv\$4 or resista \$5)) or (chalcogenide)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/16 09:06
S17	119	S15 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/16 09:06
S18	0	(region near50 adjacent near50 (zn or cd) near50 high\$4 near50 (at adj20 "%") near50 memory ).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/16 10:48
S19	1	(memory near50 layer near50 (ge or sb or bi) near50 (te) near50 (zn or cd) near50 (more or less) ).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/16 10:53
S20	76	((NORIKATSU) near2 (TAKAURA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/16 10:55
S21	287	((MOTOYASU) near2 (TERAO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/16 10:55

S22	119	((HI DEYUKI) near2 (MATSUOKA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/16 10:55
S23	28	((KENZO) near2 (KUROTSUCHI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/16 10:55
S24	12	S20 and S21 and S22 and S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/16 10:55
S25	3	((NORIKATSU) near2 (TAKAURA)).INV. and ((ge or sb or bi) with (te) with (zn or cd) with "%")	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/16 11:23
S26	11	((MOTOYASU) near2 (TERAO)).INV. and ((ge or sb or bi) with (te) with (zn or cd) with "%")	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/16 11:24
S27	10	S26 not S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/16 11:25
S28	3	((HI DEYUKI) near2 (MATSUOKA)).INV. and ((ge or sb or bi) with (te) with (zn or cd) with "%")	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/16 11:28
S29	1	((KENZO) near2 (KUROTSUCHI)).INV. and ((ge or sb or bi) with (te) with (zn or cd) with "%")	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/16 11:29
S30	2	"5278011".did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/16 11:38
S31	2	"4475178".did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/16 11:41
S32	2	"US 20090108247"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/06/16 16:44

S33	413	(ge or sb or bi) with (te) with (zn or cd) with "%"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2010/06/16 16:50
S34	275598	(phase near5 change) or (variable near5 (resistiv\$4 or resistive\$5)) or (chalcogenide)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2010/06/16 16:50
S35	119	S33 and S34	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2010/06/16 16:50
S36	64	S33 and S34 and ((dielectric or insulator\$4) near30 (zn or cd))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2010/06/16 16:51
S37	62	S33 and S34 and ((dielectric or insulator\$4) near10 (zn or cd))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2010/06/16 16:51
S38	13528	((between near30 electrode near30 record \$4))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2010/06/16 17:25
S39	13579	((between or sandwich) near30 electrode near30 record\$4))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2010/06/16 17:25
S40	1034	S34 and S39	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2010/06/16 17:25

S41	62	S34 and S39 and ((zn or cd) with "%")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/16 17:26
S42	2	"6,314,014".did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/16 17:35
S43	160	("4272833"   "4720758"   "5166758"   "5296716"   "5341328"   "5359205"   "5414271"   "5534712"   "5536947"   "5687112"   "5737260"   "5787042"   "5825046"   "5883827"   "5936880"   "6080592"   "6084795"). PN. OR ("6314014"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/16 17:36

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	0	(memory near50 (more and less) near50 (ge or sb or bi) near50 (te) near50 (zn or cd) near50 (phase near10 change))	USPAT; UPAD	OR	ON	2010/06/17 11:58
L15	5	(plurality near50 (word and line and cell and data) near50 arranged near50 (orthogonally or perpendicular) near50 select\$4 near50 read\$4)	USPAT; UPAD	OR	ON	2010/06/17 12:04

6/17/2010 12:09:58 PM

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